

Date: Sat, 16 Oct 93 08:02:28 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #1229  
To: Info-Hams

Info-Hams Digest                      Sat, 16 Oct 93                      Volume 93 : Issue 1229

Today's Topics:

50th Anniversary of the Handheld...  
Are there/Will there be any VK0 soon?  
    Breaking in on VHF/UHF  
    Converint SSB CB's to 10/12m.  
    Homonauseated (Was: Newsline #842)  
        I GIVE UP!  
    Motorola ad in QST  
    Nonsensical ramblings  
    Rote Memorization (was: code tests)  
    SCA - Subcarrier on FM Broadcast  
Selling: RCI-2950 10m / CB transceiver  
    Smithsonian Station?  
    VK2SG RTTY DX Notes, 15 October

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Fri, 15 Oct 93 13:44:05 GMT  
From: netcon!bongo!skyld!jangus@locus.ucla.edu  
Subject: 50th Anniversary of the Handheld...  
To: info-hams@ucsd.edu

In article <1993Oct14.144408.10848@bongo.tele.com> julian@bongo.tele.com writes:

> In article <CEvrv3.8uD@news.Hawaii.Edu> jherman@uhunix3.uhcc.Hawaii.Edu (Jeff  
> Herman) writes:  
> >ANNOUNCING THE 50TH ANNIVERSARY OF THE HANDHELD RADIO

> >MOTOROLA PRESENTS THE WORLDS SMALLEST 2-WAY RADIO

> >

> > THE VICAR

> ^^^^^^^^^

>

> Does this mean only Episcopalians (C of E U.K.) can use this  
> radio? Will their be a MINISTER for the non conformists? Will the  
> catholics get a PRIEST? What about the Hindus? will they happily use  
> the GURU?

Only if they operate tcp/ip occasionally. Real believers leave their radio  
on constantly and require more faith.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"It is difficult to imagine our
Internet: jangus@skyld.tele.com	universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749	potent god. I see it more as a
Phone: 1 (310) 324-6080	badly run corporation."

-----  
Date: 16 Oct 1993 11:10:53 GMT

From: munnari.oz.au!newsroom.utas.edu.au!bruny.cc.utas.edu.au!

s\_travis@tcgould.tn.cornell.edu

Subject: Are there/Will there be any VK0 soon?

To: info-hams@ucsd.edu

I believe the subject says it all. Does anyone have information on current  
acitivity from Antarctica or the VK0 islands? Much appreciated. Cheers and 73!

--

Scott Travis VK7ST / KB5GEO

University of Tasmania

VK7ST@VK7GL.TAS.AUS.OC

s\_travis@postoffice.utas.edu.au

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/ \  
\\_--.\_/  
v

"This is my security chief,

Lieutenant Worf."

"I don't suppose security is  
much of a problem for you."

-----  
Date: Fri, 15 Oct 93 09:14:00 -0600

From: library.ucla.edu!agate!howland.reston.ans.net!math.ohio-state.edu!

cs.utexas.edu!swrinde!menudo.uh.edu!nuchat!cld9!mario.campos@network.ucsd.edu

Subject: Breaking in on VHF/UHF

To: info-hams@ucsd.edu

+-- BRIAN@AMDCL2.AMD.COM to ALL -----+

```
|
|I'm taking an informal survey and will post results to the net:  what|
|"standards" exist on our FM/repeater bands for breaking into a    |
|conversation in progress?                                         |
|                                                                    |
|                                                                    |
|Obvious options include:                                         |
|                                                                    |
|1) Wait for a pause and say your whole callsign                 |
+-----+
```

The procedure used on K6LY - Monterey, CA

```
+-- BRIAN@AMDCL2.AMD.COM to ALL -----+
|
|Suppose you don't actually want to join the discussion at hand but|
|would like to use the repeater to contact a friend of yours who is|
+-----+
```

Just drop your call at the courtesy tone. When acknowledged ask for the use of the repeater for a contact. I have never heard this request denied on our repeater.

```
+-- BRIAN@AMDCL2.AMD.COM to ALL -----+
|
|Suppose you have a bona-fide emergency situation?|
+-----+
```

Our repeater uses "Break" for immediate access due to an emergency situation!

Message written at 8:48am, on Friday, October 15, 1993.

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```
* Apex v4 * The devil finds work for idle glands.
* CIS 73132,2211 - mario.campos@nitelog.com - N6ALS@K6LY.#NOCAL.CA.USA.NA
* [R2.00o] * Usenet * Nitelog BBS * Monterey CA * 408-655-1096
```

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Date: Sat, 16 Oct 93 14:33:33 GMT  
From: mnemosyne.cs.du.edu!nyx!rreames@uunet.uu.net  
Subject: Converint SSB CB's to 10/12m.  
To: info-hams@ucsd.edu

Anybody have experience with converting some of the old SSB CB rigs to 10 or 12 meters. I've got a really nice Cobra 138x1r that I'm trying to figure out the best way to modify.

Next question: What are some of the model numbers of the CB rigs covered

in that 'shrink wrapped' book on equipment mods that HRO and other stores sell. I absolutely refuse to plunk down \$19.95 for any book that is packaged in plastic.

Randy WA0TKO  
rreames@nyx.cs.du.edu

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When we walk to the edge of all the light we have and take a step into the darkness of the unknown, we must believe that one of two things will happen - there will be something solid for us to stand on or we will be taught to fly. ('Edges' by Patrick Overton)

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Date: Fri, 15 Oct 93 13:07:13 GMT  
From: netcon!bongo!skyld!jangus@locus.ucla.edu  
Subject: Homonauseated (Was: Newsline #842)  
To: info-hams@ucsd.edu

In article <1993oct12.165506.3658@pony.Ingres.COM> garys@Ingres.COM writes:

> Right to the point - thanks Jeff... from one of the endangered species  
>  
> STRAIGHT WHITE MALE  
> Gary KE6BYU  
>  
> Lets keep amatuer free from polictical/social agendas and engineering...

Great, and the ARRL can continue in the fine tradition of maintaining it's reputation of being 50 years behind socially as well as technologically.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"It is difficult to imagine our
Internet: jangus@skyld.tele.com	universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749	potent god. I see it more as a
Phone: 1 (310) 324-6080	badly run corporation."

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Date: Fri, 15 Oct 93 13:24:41 GMT  
From: netcon!bongo!skyld!jangus@locus.ucla.edu  
Subject: I GIVE UP!  
To: info-hams@ucsd.edu

In article <CEvB06.B16@usenet.ucs.indiana.edu> djadams@silver.ucs.indiana.edu writes:

> Did you ever try to do something simple and feel completely incompetent  
> a few hours later? I have an HW-101 and a 10m 1/2 wave dipole (the largest  
> I can sneak past my apartment managers). I want to get on 40m. I have  
> an MFJ 941-D tuner. I tune the radio to get output and try to match the  
> antenna. Any adjustment lowers the transmitters output. Bring the output  
> back up and the SWR skyrockets...lower the SWR, power plummets....ARGH!  
> Help!!!! Anyone...I really need a close, personal friend who is a ham...

Connect the HW-101 to a dummy load. Tune for maximum smoke like usual. Now  
back off on the loading control to decrease the output into the load. Drop  
the load power to about 20 watts instead of the 75-100 or so the rig should  
be able to do when peaked up all the way.

Then attach the tuner, and fiddle around with the tuner and the 10 meter  
antenna. (don't readjust the HW-101).

What is happening is at max output on the HW-101 with a really variable  
load (the tuner) it is affecting the plate tuning of the finals.

With the output lightly loaded, the interaction between the plate tuning  
and the tuner is minimized.

Once you get the antenna tuned up properly, increase the HW-101 loading,  
and retune the plate. (Leave the tuner alone at this point)

This will be a bit messy tuning things up, but you can get on the air.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"It is difficult to imagine our
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US Mail: PO Box 4425 Carson, CA 90749	potent god. I see it more as a
Phone: 1 (310) 324-6080	badly run corporation."

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Date: Sat, 16 Oct 1993 13:12:12 GMT  
From: paperboy.ids.net!anomaly.sbs.com!kd1hz@uunet.uu.net  
Subject: Motorola ad in QST  
To: info-hams@ucsd.edu

burke\_br@adcae1.comm.mot.com (Bruce Burke Sp App) writes:

>Those that think they can modify the software, then make a living from that,  
>is where the real contention is and that is the point I have been trying to  
>get at.

>If you do modify a radio for your own personal use is fine, BUT:



-- AT&TNet: 401-273-4669

-

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Date: Sat, 16 Oct 1993 12:49:27 GMT  
From: paperboy.ids.net!anomaly.sbs.com!kd1hz@uunet.uu.net  
Subject: Nonsensical ramblings  
To: info-hams@ucsd.edu

In article <CEtGHq.BKs@world.std.com>, howi@world.std.com (howie cahn) writes:  
|> I'm really offended by the bigoted, homophobic diatribes by some here  
|> that never even approach anything factual.

Hmmmm....

|> Unfortunately, these attitudes  
|> are all too typical among hams.

What was that you just said above about "factual"? Oh, okay, "factual"  
only applies to other people, not you....

|> I've heard similar stuff, together with  
|> racially and sexually offensive comments, at ham clubs, hamfests, and, in  
|> milder form, over the air.

I'm glad you've accumulated so much anecdotal evidence to share with us...

|> Did you ever wonder why hams are overwhelmingly  
|> and disproportionately middle-aged, white men? Part of the reason is that  
|> women, minorities, gays, etc. have heard it too and concluded that they're  
|> not welcome.

Maybe because in order to generally participate in the hobby you have  
to have a pretty decent job that pays a pretty decent salary, and thus the  
hobby naturally tends to have more white, middle-aged men who have  
achieved that level of income? It couldn't possibly be that minority groups  
generally do not command a similar level of income, and therefore  
usually do not seek to get involved in a hobby where they can't purchase  
the needed equipment? Nor could it possibly be the fact that, until  
recently, women didn't seek to get involved in technical hobbies,  
ssuch as amateur radio, and instead were "encouraged" by society to get  
involved with the local 4-H club instead?

Nah.... Its all a white, european-male-decendent plot...

|> By limiting the potential for attracting people outside of  
|> this narrow demographic base we weaken the hobby.

Over the past ten years, the number of minorities and women involved in the hobby has increased dramatically. Perhaps you should write to the League and get a copy of their demographic studies.

|> We have to keep lowering  
|> licensing standards to keep our numbers up.

You couldn't be more off-base. The number of amateur radio operators has been constantly increasing. What concerned the League and others who wanted a no-clue license was that the average age of operators was increasing, creating a kingdom of old geezers. So, to augment the number of "young" amateurs involved in the hobby, standards have been lowered, since we all know that the youth of today are just too plain stupid to understand anything remotely related to radio theory. Youth today think "radio theory" as being a logical exercise on how you manage to fit 10 videos in 1 1-hour slot on MTV.

Around here, what the no-clue license bought us was not a flood of young-aged amateurs, but instead a whole bunch of CB-rejects who think that a "dummy load" was, in fact, ejaculate which resulted in the conception of a retard.

|> Instead of trying to diversify  
|> our ranks, the League has chosen to validate the prejudices of some of its  
|> members.

The League is a business. Businesses make money by catering to their customers' desires. If the majority of amateur operators want to be anti-homosexual, then its in the best interest of the League to adopt an anti-gay position.

|> Personally, I hope Lambda wins its suit.

Personally, I could give a shit either way.

MD

--

-- Michael P. Deignan, KD1HZ	-
-- Internet: kd1hz@anomaly.sbs.com	- Providence Firefighters Association:
-- UUCP: ...!uunet!anomaly!kd1hz	- We Find 'Em Hot, And Leave 'Em Wet
-- AT&TNet: 401-273-4669	-



-----  
Date: Sat, 16 Oct 1993 12:49:30 GMT  
From: paperboy.ids.net!anomaly.sbs.com!kd1hz@uunet.uu.net  
Subject: Rote Memorization (was: code tests)  
To: info-hams@ucsd.edu

In article <8088.2cbae7c0@hayes.com>, bcoleman@hayes.com (Bill Coleman) writes:

[are we to assume that all no-codes have]  
> similar short between the headsets?

If you come to Rhode Island (Lil Ghroady, as we call it...), yes.

In this area, the no-clue license has given the CB-reject the ability to get on the amateur bands by simply memorizing their local Radio Shack Gordon West no-code-tech book. "Learn The Theory"? GASP! That would be TOO MUCH WORK!

> I'm sure that anyone of us can dig up stories of clueless amatuer operators  
> of ANY license class.

And no doubt you'll find a disturbing trend... CB-rejects.

[Did I ever offer to help the poor no-clue out?]  
> No? I thought not.

Guess again. I let him borrow my Jerry Ziliak tapes for 8 months, until it became apparent that he wasn't using them. "I'm too busy", he said. Yup... "But not too busy to be yacking day and night on the local 2-meter good-buddy box...", I replied.

Another no-clue story from CB-rejectville:

A local no-clue is is well known for embellishing on every topic he talks about (including his "studying the code") was recently overheard on a simplex frequency talking to his wife, explaining how he was constipated. Some local hams overheard him, and went to a local CVS, where they purchased a sympathy card ("We can only empathize with what you're going through. Only God knows for sure. So we're all praying for you that God will hear your prayers [handwritten] because we all know you're full of shit.")

They then had this sympathy card, along with a gift-wrapped enema... yes, that's right, an enema... delivered to his house.

Well, rather than just keeping silent on the gag, the no-clue gets on the most popular repeater in the state (which covers the entire state of RI) and proceeds to "complain" for over 30 minutes about the "gift", telling everyone in the state what was on the card, and what he received for a present.

Then... To make matters worse, a week later his wife was constipated, so she actually used it... After all that moaning....

MD

--  
-- Michael P. Deignan, KD1HZ -  
-- Internet: kd1hz@anomaly.sbs.com - Providence Firefighters Association:  
-- UUCP: ...!uunet!anomaly!kd1hz - We Find 'Em Hot, And Leave 'Em Wet  
-- AT&TNet: 401-273-4669 -

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Date: Sat, 16 Oct 1993 13:59:02 GMT  
From: pacbell.com!amdahl!netcomsv!netcom.com!joe@ames.arpa  
Subject: SCA - Subcarrier on FM Broadcast  
To: info-hams@ucsd.edu

I recently ordered and received three SCA demodulator boards from SCS Radio Technology after noticing an advertisement in Radio News. Bruce Elving's SCA design uses a CA3089 IF/detector chip and a PLL (I designed his XR2211 PLL SCA demodulator) SCA. Bruce also sells FM receivers modified with the boards.

What was interesting about the SCS SCA board design, while it uses a CA3089E IF chip also, a multipole filter in front of the 3089 decreases main channel crosstalk interference (by 60 dB). David's board is of excellent construction, with no jumpers and small size to be inserted in an FM receiver's FM detector stage (before deemphasis attenuates the SCA signals).

Anyway, three pretuned boards are available from SCS, 57Khz, 67Khz, and 92Khz - \$20.00 each, \$60 plus \$6.00 P&H for all three. I am satisfied with the design and construction of each board. One area of modification I would make is to monitor the SCA signal's multipath and level with an x-y monitor. Use pin 13 of the 3089 chip for a signal level (scope y) output and pin 7 for the y axis output. Of course levels must be set to set vertical and horizontal traces. A flat vertical line, max amplitude, is the ideal signal for tuning. A "wavy" line illustrates multipath. This is a great tool for tuning FM signals...

SCS's Address and Phone Number:

SCS Radio Technology  
5742 Fair Oak  
Springfield, MO, 65810

Phone:

417-881-8401

He (Dave Jackway) takes checks only at present. While his focus is large-volume customers, he will sell to the small customer...

(I have no affiliation with SCS, only as a satisfied customer)

--Joe Jesson

--

-----  
Joseph Jesson   joe@netcom.com   Day (312) 856-3645   Eve (708) 356-6817  
21414 W. Honey Lane, Lake Villa, IL, 60046  
-----

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Date: Sat, 16 Oct 93 14:36:14 GMT  
From: mnemosyne.cs.du.edu!nyx!rreames@uunet.uu.net  
Subject: Selling: RCI-2950 10m / CB transceiver  
To: info-hams@ucsd.edu

Anybody have experience with converting some of the old SSB CB rigs to 10 or 12 meters. I've got a really nice Cobra 138xlr that I'm trying to figure out the best way to modify.

Next question: What are some of the model numbers of the CB rigs covered in that 'shrink wrapped' book on equipment mods that HRO and other stores sell. I absolutely refuse to plunk down \$19.95 for any book that is packaged in plastic.

Randy WA0TKO  
rreames@nyx.cs.du.edu

--

When we walk to the edge of all the light we have and take a step into the darkness of the unknown, we must believe that one of two things will happen - there will be something solid for us to stand on or we will be taught to fly. ('Edges' by Patrick Overton)

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Date: 15 Oct 93 18:15:37 CDT  
From: swrinde!cs.utexas.edu!uwm.edu!vixen.cso.uiuc.edu!uchinews!cdsmaill!  
timbuk.cray.com!walter.cray.com!renaissance!wws@network.ucsd.edu  
Subject: Smithsonian Station?  
To: info-hams@ucsd.edu

In article <29kg55\$dnu@blaze.cs.jhu.edu>, coolguy@cs.jhu.edu (Guy Shechter) writes:

|> I will be in Washington this coming weekend and was wondering if anyone  
|> had information about an active amateur radio station in the Smithsonian.  
|> If I remember correctly, someone mentioned that there is one in the basement?  
|> When does it operate?

I don't know if it is set up, but FWIW, the first ham I really knew willed his ham station to the Smithsonian. He had gotten his ham ticket just about WW I, and had a great deal of ancient gear, QSTs back into the early '20s, etc. He also had a full Collins S-line. (The first QSO I ever made was using that S-line as his guest op!)

Since he became a SK several years ago, that station is certainly in the Smithsonian collection somewhere.

(BTW, If anyone has an old call book - say pre-1975, I'd love to know what Frank Wingard's call was. W9?? in Rock Island, Illinois.)

Walt

----

Walt "who was once WN9PPF" Spector  
(wws@renaissance.cray.com)  
Sunnyvale, California

..- ..- ..... -.. ..-

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Date: Sat, 16 Oct 93 07:11:37 GMT  
From: library.ucla.edu!agate!usenet.ins.cwru.edu!lerc.nasa.gov!magnus.acs.ohio-state.edu!cis.ohio-state.edu!mstar!n8emr!bulletin@network.ucsd.edu  
Subject: VK2SG RTTY DX Notes, 15 October

To: info-hams@ucsd.edu

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=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====
```

SB DX @ ALLBBS \$RTDX1015

VK2SG RTTY DX Notes, 15 October

VK2SG RTTY DX Notes for week ending 15 October 1993 (BID RTDX1015)

Our information this week came from ZS5S, 9X5LJ, W2JGR, WB2CJL, WA1MPB, LA5ZO, SP5AA, F8RU, OH/BBF, IK1HSR, IK2BHX, IV3BKC, I5ICY, and the NJ0M node of the Twin Cities DX Packet Cluster. Thanks to all for your assistance.

Bandpass:

Friday 8

0619-14083 J28BM  
1615-14085 FR5DX  
1640-14087 XX9AS  
19(7-(4086 PJ2MI  
1929-14088 YL2GD  
2019-14085 EA8NQ  
2025-14084 LX1DA  
2117-14087 4X6U0  
2307-14087 3X0DEX see Note

Saturday 9

0722-14082 TK/DL8NBH  
0752-14084 YI1HS  
0956-14086 ES4RM  
1416-14088 C31SD  
1422-14088 A45XC  
1447-14085 9V1ZM  
1448-14087 YL3FX  
1457-14088 4X6U0  
1520-14090 UN5PR  
1526-14086 ES7FQ  
1530-14083 T91ENS  
1541-14085 UJ8JCQ  
1653-14084 LX1DA  
1802-21090 PJ2MI QSL K2PEQ  
1931-14094 OX3BV  
2026-14086 CN8NP

Sunday 10

0955-14087 GD3HDL  
1056-14087 LY2GC  
1111-28080 9U5DX  
1135728082 J28BM QSL K1SE  
1315-14086 C06RR  
1321-14084 OH0/OH3TY QSL OH3TY  
1431-14087 ZC4ML QSL G4LSL  
1542-14087 HB0/HB9NL  
1640-14087 FM5DN  
1643-21086 PJ2MI  
1706-21087 V51GB  
1809-14085 FR5DX  
1826-14084 EG5NOU FER PFX QSL EA50L  
1832-14086 4X6U0  
2044-14084 C31SD  
2103-14080 FY5FJ  
2123-14086 PZ2AC

Monday 11

0009-14085 CX7BN  
0556-14083 9U5DX QSL DJ6JC Note  
0615-14083 ST2/G40JW Note  
0655-14084 OK2TBC  
0851-21086 5X1C  
0907-21083 9U5DX  
0918-14084 RA2FB  
1811-14086 ZC4ML  
1812-14088 4N7N  
1825-14085 YL3FW  
2043-14083 PZ1BS  
2101-14072 S92ZM ARQ  
2143-14083 9J2HN QSL JH8BKL  
2214-14082 CE0ZIS

Tuesday 12

1045-21083 9U5DX  
1053-14086 CT3EE  
1129-14087 PJ2MI  
1441-14083 TA2N  
1445-14085 UN7LR  
1503-21090 FM5GN  
1531-14083 9U5DX  
1537-14083 9A20H  
1832-14088 YL2GD  
1840-21087 J28BM  
1841-14087 TK5ML  
2219-14086 CX5BF  
2220-14083 VP9MZ

2314-14080 ZP5FGS  
2345-14083 9U5DX QSX down 5

Wednesday 13

0112-14089 XP1XBH  
1039-14085 9H1ET  
1336-21085 ZC4ML  
1626-14083 4X6U0  
1724-14088 IS0GDM  
1734-14089 FT4WD Crozet Is.  
1740-14086 FR5GS  
1752-14086 C06RR  
1814-21089 FR5DX  
1831-14088 ET3SID

Thursday 14

0032-14083 KG4CW  
0054-14087 3X0DEX  
1430-14091 IS0AWP  
1432-21084 9U5DX  
1521-14090 HL5AWS  
1528-14088 RT7U  
1602-14082 ZC4ML  
1604-14086 FR5GS  
1631-14085 XX9AS  
1705-14083 BV7WB  
1805-14084 4N7N

Notes of Interest:

3X0DEX, REP. OF GUINEA. Ted, F8RU says that F6IBA claims he was not the QSL manager for that station and is surprised at the number of cards he is receiving. Info from the FDX Info net on 21170 Khz. More after 3X0DEX has been asked to verify his QSL information.

OH0, ALAND Is. Eric, OH2BBF will be QRV during the European WAE RTTY Contest Nov. 13-14 as OH0BBF. He plans to be QRV with his big antennas and big signal from rebuilt famous OH0W site. On high bands will be used stacked monobanders, a 3-el on 40 meters and slopers on 80. QSL via bureau or direct to his home call.

9U, BURUNDI. Heinrich, DJ6JC showed as 9U5DX. Those needing 9U5 may look for him til October 16th on the bands. QSL via home call.

ST2, SUDAN. Ali, G40JW is now QRV with the call ST2/G40JW. He operates primarily CW on 14062, main times from 1800 to 2000z but may also be heard at other times. QSL is via P.O. BOX 4016, Khartoum,

Sudan.

FT4W, CROZET Is. Another rare one showed on the air. Christian,  
FT4WD appeared on the air in QSO with SP5KM. We hope for lot of  
activity. QSL via F6AXX.

Send your Bandpass and Notes for next week to Bob,  
WB2CJL @ W5KSI.#NOLA.LA.USA.NA or WB2CJL @ ZS5S.ZAF.AF or  
WB2CJL @ I5FLN.ITA.EU.

GL de (DX2) Luciano, I5FLN @ ZS5S.ZAF.AF  
/EX  
SP KT7H @ N7DUO.WA.USA.NA

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End of Info-Hams Digest V93 #1229  
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